

35. (New) The isolated nucleic acid molecule according to claim 34, said nucleic acid being DNA.

36. (New) The isolated nucleic acid molecule according to claim 34, said nucleic acid being RNA.

37. (New) An expression vector containing the nucleic acid molecule of claim

34.

38. (New) A host cell containing the vector of claim 37.

39. (New) The host cell according to claim 38 which is a eukaryotic cell.

40. (New) The host cell according to claim 38 which is a human cell.

41. (New) The host cell according to claim 38 which is a prokaryotic cell.

42. (New) Isolated DNA or RNA comprising at least 50 consecutive nucleotides of SEQ ID NO:1, or a complementary nucleic acid sequence of SEQ ID NO:1.

43. (New) An isolated nucleic acid molecule which hybridizes to the DNA or RNA of claim 42 under high stringency conditions.

44. (New) The isolated nucleic acid molecule according to claim 43, wherein high stringency conditions of hybridization comprise low ionic strength and high temperature during washing.

45. (New) The isolated nucleic acid molecule according to claim 43, wherein high stringency conditions of hybridization are selected from the group consisting of:

(a) 0.015 M NaCl and 0.0015 M sodium citrate, pH 7.0 (0.1x SSC) and 0.1% sodium dodecyl sulfate (SDS) at 50°C during washing;

(b) 50% (v/v) formamide, a mixture of 0.1% w/v highly purified bovine serum albumin, 0.1% w/v Ficoll and 0.1% w/v polyvinylpyrrolidone (5 x Denhardt's), 50 mM sodium phosphate buffer at pH 6.5 and 5x SSC at 42°C during hybridization; and

(c) 50% formamide, 5x SSC, 50 mM sodium phosphate (pH 6.8), 0.1% sodium pyrophosphate, 5x Denhardt's solution, sonicated salmon sperm DNA (50 µg/ml), 0.1% SDS, and 10% dextran sulfate at 42°C for hybridization, and washing at 42°C in 0.2x SSC and 0.1% SDS.

Sub D4 } 46. (New) An expression vector containing the DNA or RNA of claim 42.

47. (New) An expression vector containing the DNA or RNA of claim 43.

Sub D5 } 48. (New) A host cell containing the vector of claim 46.

49. (New) A host cell containing the vector of claim 47.

50. (New) The host cell according to claim 48 selected from the group consisting of a eukaryotic cell, a human cell and a prokaryotic cell.

51. (New) The host cell according to claim 49 selected from the group consisting of a eukaryotic cell, a human cell and a prokaryotic cell.

Sub D6 } 52. (New) A polynucleotide comprising at least 15 consecutive nucleotides of any of the nucleic acids of Table 5, wherein the 15 consecutive nucleotides include a single nucleotide polymorphism (SNP) site selected from Table 5.

53. (New) An isolated nucleic acid molecule of SEQ ID NO:1, wherein the nucleic acid molecule contains at least one single nucleotide polymorphism (SNP) of Table 5.